Listing of Claims:

1. (Currently Amended) An authentication method for identifying a subscriber of a first network in a second network being an Internet protocol (IP) network, comprising the steps of:

a)   allocating an IP address of said second network to said subscriber;

b)   generating information about a mapping between the subscriber's IP address in said second network and a subscriber identity; and

c)   transmitting the mapping to said second network,

wherein said subscriber is identified in the a VAS platform based on said mapping information.

2. (Currently Amended) The authentication method according to claim 1, wherein said mapping information is transmitted to said second network, when said mapping between said IP address in said second network and the subscriber identity has changed.

3. (Previously presented) The authentication method according to claim 1, wherein said subscriber identity is at least one of an IMSI and an MSISDN of the subscriber.

4. (Previously presented) The authentication method according to claim 1, wherein said mapping information is transmitted in an access request message.

5. (Previously presented) The authentication method according to claim 4, wherein said request access message is a RADIUS access request message.

6. (Previously presented) The authentication method according to claim 1, wherein said authentication server functionality is included in the VAS platform.

7. (Previously presented) The authentication method according to claim 1, wherein said authentication server functionality is provided by a dedicated authentication server.

8. (Previously presented) The authentication method according to claim 1, wherein said mapping information is generated by an authentication client functionality in a GGSN.

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9. (Previously presented) The authentication method according to claim 1, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

10. (Currently Amended) An authentication system for identifying a subscriber of a first network in a second network being an Internet Protocol (IP) network, comprising:

a)   a gateway device comprising allocation means for allocating a an IP address of said second network to said subscriber, and authentication client means for generating an information about a mapping between said IP address of said second network and a subscriber identity, and for transmitting said mapping information to said second network; and

b)   an authentication server provided in said second network and adapted to log and maintain said mapping information

c)   wherein said authentication server is a server for a VAS platform provided in said second network, wherein said VAS platform is adapted to identify said subscriber based on said mapping information.

11. (Previously presented) The authentication system according to claim 10, wherein said gateway device is a GGSN.

12. (Previously presented) The authentication system according to claim 10, wherein said authentication client means is a RADIUS client.

13. (Previously presented) The authentication system according to claim 10, wherein said server is a RADIUS server.

14. (Previously presented) The authentication system according to claim 10, wherein said subscriber identity is an IMSI or an N4SISDN.

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15. (Previously presented) The authentication system according to claim 10, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

16. (Currently Amended) The gateway device for connecting a first network to a second network being an Internet Protocol (IP) network, comprising:

a)   allocation means for allocating an IP address of said second network to a subscriber of said first network; and

b)   authentication client means for generating an information about a mapping between said IP address of said second network and a subscriber identity, and network,

wherein said authentication client means is a RADIUS client.

17. (Previously presented) The gateway device according to claim 16, wherein said authentication means is arranged to transmit said mapping information in an access request message.

18. (Previously presented) The authentication method according to claim 2, wherein said subscriber identity is at least one of an IMSI and an MSISDN of the subscriber.

19. (Previously presented) The authentication method according to claim 2, wherein said mapping information is transmitted in an access request message.

20. (Previously presented) The authentication method according to claim 3, wherein said mapping information is transmitted in an access request message.

21. (Previously presented) The authentication method according to claim 2, wherein said mapping information is generated by an authentication client functionality in a GGSN.

22. (Previously presented) The authentication method according to claim 3, wherein said mapping information is generated by an authentication client functionality in a GGSN.

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23. (Previously presented) The authentication method according to claim 4, wherein said mapping ink information is generated by an authentication client functionality in a GGSN.

24. (Previously presented) The authentication method according to claim 5, wherein said mapping information is generated b an authentication client functionality in a GGSN.

25. (Previously presented) The authentication method according to claim 6, wherein said mapping information is generated by an authentication client functionality in a GGSN.

26. (Previously presented) The authentication method according to claim 7, wherein said mapping information is generated by an authentication client functionality in a GGSN.

27. (Previously presented) The authentication method according to claim 2, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

28. (Previously presented) The authentication method according to claim 3, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

29. (Previously presented) The authentication method according to claim 4, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

30. (Previously presented) The authentication method according to claim 5, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

31. (Previously presented) The authentication method according to claim 6, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

32. (Previously presented) The authentication method according to claim 7, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

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33. (Previously presented) The authentication method according to claim 8, wherein said mapping information least one of a service specific charging and addressing of mobile terminals.

34. (Previously presented) The authentication system according to claim 11, wherein said authentication client means is a RADIUS client.

35. (Previously presented) The authentication system according to claim 11, wherein said server is a RADIUS server.

36. (Previously presented) The authentication system according to claim 12, wherein said server is a RADIUS server.

37. (Previously presented) The authentication system according to claim 11, wherein said subscriber identity is an IMSI or an MSISDN.

38. (Previously presented) The authentication system according to claim 12, wherein said subscriber identity is an IMSI or an MSISDN.

39. (Previously presented) The authentication system according to claim 13, wherein said subscriber identity is an IMSI or an MSISDN.

40. (Previously presented) The authentication system according to claim 11, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

41. (Previously presented) The authentication system according to claim 12, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

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42. (Previously presented) The authentication system according to claim 13, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

43. (Previously presented) The authentication system according to claim 14, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

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